Enterprise Access Point EAP200

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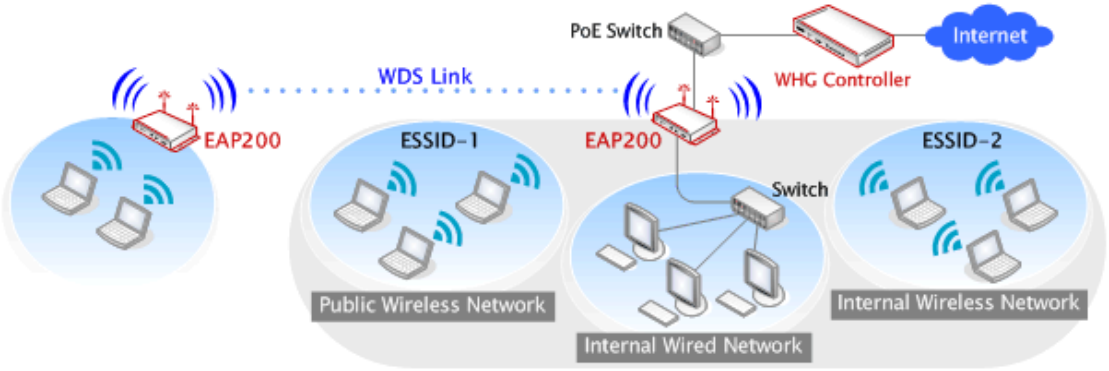
Embedded with 802.11n/b/g 2.4GHz MIMO radio in IP50 dust-proof metal housing, the high speed (up to 300Mbps) and durable 4ipnet EAP200 Enterprise Access Point is designed for wireless connectivity in enterprise or industrial environments of all dimensions.

EAP200 makes the wireless communication fast, secure and easy. It supports business grade security such as 802.1X, and Wi-Fi Protected Access (WPA and WPA2). By pushing a purposely built button, 4ipWES (Press-n-Connect) feature makes it easy to bridge wireless links of multiple EAP200s for forming wider wireless network coverage. EAP200 also features multiple ESSIDs with VLAN tags; one EAP200 can emulate up to eight Virtual APs, great for enterprise applications, such as separating the traffics of different departments using different ESSIDs.

Supporting up to 300Mbps wireless speed with its 802.11n 2 x 2 MIMO solutions, EAP200 is perfect for bandwidth-hungry applications such as video surveillance, multimedia streaming over the wireless links. Its QoS – WMM feature ensures the quality of voice/ video when multiple applications are transmitting media and data over the air at the same time.

EAP200's higher throughput, security and durability make it a perfect choice of wireless connectivity for your applications.



FEATURES & BENEFITS

2.4GHz 2 x 2 MIMO Field Replaceable Antenna & Backward Compatible with 802.11n/b/g

The antenna diversity design enhances the connection reliability to improve data transmission capability
Two detachable antennas for optimal wireless coverage and field replacement flexibility
Equipped with a high-speed IEEE 802.11n/b/g wireless network interface, transmission rates up to 300Mbps

WDS/Repeater for Extending Wireless Coverage

4ipWES (Press-n-Connect) with push button enables quick/auto WDS link
Creates structural WDS (Bridge or Repeater) links connecting to other WDS-capable APs
WDS links can serve as EAP200's LAN connections to replace Ethernet ports, or simply bridge the wired side and the wireless side as a single network

Supporting QoS & 802.11e WMM

Supports IEEE 802.1p/IEEE 802.1Q Quality of Service (QoS) tagging features
Supports IEEE 802.11e Wireless Multi-Media to fulfill bandwidth thirsty triple-play (voice, audio and video) applications

Business-class WLAN Security & Client Authentications

Advanced security options: 64/128/152 bits WEP, WPA/WPA2 with IEEE 802.1X or PSK (Pre-Shared Key)
Wireless LAN segmentation, Disable SSID Broadcast and the option of station-isolation
Configuration-capable to filter out unauthorized wireless clients with built-in MAC-based access control list or via a back-end RADIUS server by sending an authentication request

Multiple Virtual APs & Capability of Client Isolation

One EAP200 can emulate up to 8 Virtual APs (VAP), each with its own ESSID; namely, one AP can have 8 ESSIDs
Each VAP appears to clients as an independent AP and its traffic can be associated with a VLAN ID
Supports client isolation, isolated from each other under one AP

Wall mountable Dust-proof Metal Housing

Enclosed in a metal housing, durable and non-fire hazard for the industrial environment

Dual PoE with Link Failover

The IEEE 802.3af Power over Ethernet (PoE) compliant design eliminates the need for power sockets, allows installation of this device in areas where power outlets are not readily available to improve deployment flexibility, and provides standard-based compatibility with other device
Provides dual-PoE 10/100 Fast Ethernet ports with failover function for redundant connectivity

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SPECIFICATIONS

Wireless Radio

Frequency band: 2.4 GHz
Wireless architecture:
(1) AP mode
(2) Repeater mode (WDS / Universal Repeater)
Modulation:
(1) OFDM (64-QAM, 16-QAM, QPSK, BPSK)
(2) DSSS (CCK, DBPSK, DQPSK)
Channels:
(1) USA (Channel 1~11)
(2) Japan (Channel 1~14)
(3) Europe (Channel 1~13)
Data rate with auto fallback:
(1) 802.11b: 1 ~ 11 Mbps
(2) 802.11g: 6 ~ 54 Mbps
(3) 802.11n: 6.5 ~ 300Mbps
Transmit Power:
(1) 802.11b: Up to 25dBm EIRP
(2) 802.11g: Up to 25dBm EIRP
(3) 802.11n: Up to 23dBm EIRP
Antenna: 2 x detachable with SMA connectors
Receiver Sensitivity:
(1) 802.11b: 11Mbps@-94dBm
(2) 802.11g: 54Mbps@-83dBm
(3) 802.11n: 300Mbps@-73dBm

QoS-WMM

DiffServ/TOS
IEEE 802.1p/COS
IEEE 802.1Q Tag VLAN priority control
IEEE 802.11e WMM

Handover & Roaming

IEEE 802.11f IAPP
IEEE 802.11i pre-auth (PMKSA cache)

System Management

Web-based administration
SNMP v1/v2c
Provides Event Log
SYSLOG information support
Statistics
Configuration backup and restore
One-button-click to restore factory default setting
Firmware upgrade
Capable of performing RADIUS Accounting and Accounting Update
4ipWES (Press-n-Connect) button for WDS Easy Setup

Security

WEP (64/128/152 bits)
EAP-TLS + Dynamic WEP
EAP-TTLS + Dynamic WEP
PEAP/MS-PEAP + Dynamic WEP
WPA (PSK + TKIP)
WPA (802.1X certification + TKIP)
802.11i WPA2 (PSK + CCMP/AES)
802.11i WPA2 (802.1X certification + CCMP/AES)
Setting for TKIP/CCMP/AES key's refreshing period
Hidden ESSID support
MAC Address filtering (MAC ACL)
MAC authentication with RADIUS servers
Maximum number of registered RADIUS servers: 2

Built-in Servers & Client Interfaces to Other Services

DHCP client
DNS client
SYSLOG client
RADIUS client
SNMP v1/v2c client

Wireless Signal Management

Number of ESSIDs (Virtual APs): 8
Number of associated clients per VAP: 32
Setting for maximum number of associated clients
Network policy based on ESSID

Hardware Specifications

IP50 Dust-proof metal case
LAN Port: 2 × 10/100 Base-T Ethernet with PoE
Console Port: 1 x DB9
USB Port: 1
Screw Terminal Block: 1
LED Indicators: 1 × Power, 2 × LAN, 1 × WLAN, 1 x WES

Physical and Power

Power adaptor (included)
(1) AC Input: 100~240 VAC, 50~60 Hz
(2) DC Output: 12V, 1.5A
Alternative Power:
(1) 802.3af PoE (PSE not included)
(2) 12~48 VDC DC power input
Form factor: Wall Mountable
Dimensions (W x D x H): 8.0" x 5.3" x 1.4"
(204 mm x 134 mm x 35 mm)
Weight: 1.3 lbs (0.61 kg)

Environment

Operation Temperature: -30 ~ 70 °C
Storage Temperature: -40 ~ 85 °C
Operation Humidity: 10% ~ 80% (Non-condensing)
Storage Humidity: 5% ~ 90% (Non-condensing)

Certifications

FCC, CE
RoHS compliant

Package Contents

4ipnet EAP200 x 1
CD-ROM (with User's Manual and QIG) x 1
Quick Installation Guide (QIG) x 1
Console Cable x 1
Ethernet Cable x 1
Power Adapter (DC 12V) x 1
Antenna x 2
Screw pack x 1
Ground Cable x 1

** Specifications subject to change without notice

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